SPC500NC/SPC505NC

User manual

PHILIPS

Need help?

Country	Telephone number
België/Belgique/Belgien (Belgium)	☎ 070 222303
中国 (China)	☎ 4008 800 008
Danmark (Denmark)	☎ 35-25-8759
Deutschland (Germany)	☎ 0180 536767
Espana (Spain)	☎ 902 888 784
France	☎ 08 09165 0005
Ελλάδα (Greece)	☎ 0 0800 3122 1280
Italia (Italy)	☎ 899 23 45 06
日本 (Japan)	☎ 0570-07-6666
Luxembourg (Luxemburg)	☎ 40 6661 5644
Nederland (Netherlands)	☎ 0900 8407
Norge (Norway)	☎ 2270-8111
Österreich (Austria)	☎ 0810 001 203
Portugal	☎ 2 1359 1442
Schweiz/Suisse/Svizzera (Switzerland)	☎ 0844 800 544
Suomi (Finland)	☎ 09 6158 0250
Sverige (Sweden)	☎ 08 5792 9100
Türkiye (Turkey)	☎ 0800 261 3302
United Kingdom	☎ 0906 1010 016
U.S.A. (United States of America)	☎ 1-866-892-4765

If your country is not mentioned in the list above, please check our website:

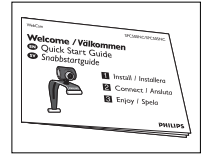### *www.philips.com/support*

for additional information.

Please check that the following items are packed in the Philips SPC500NC/SPC505NC box. They are provided to help you set up and use your Philips SPC500NC/SPC505NC.
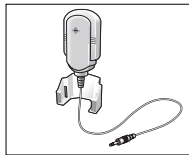

Philips SPC500NC/ SPC505NC WebCam

Installation CD-ROM including manual
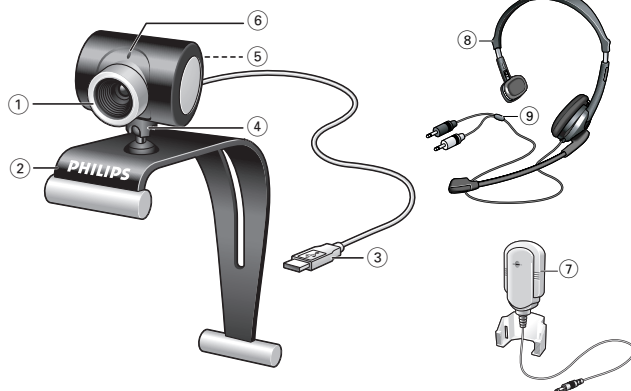

Quick Installation Guide

Microphone (SPC500NC only)

Headset with headphone and microphone (SPC505NC only)

Legend of functions

1 Focus ring
For adjusting the focus of the image manually.

2 Clamp with rubber rims
For attaching the WebCam to your PC monitor or laptop screen.

3 USB connector
For connecting the WebCam to the USB port of the laptop or desktop PC.
The WebCam will derive its power from the laptop or desktop PC when a USB connection is made.

4 Rotating foot
For manually changing the vertical angle of the WebCam.

5 Snapshot button
Enables you to take photos without using your mouse.

6 Power LED
Lights up red when the WebCam is in use.

7 Microphone *(SPC500NC only)*
For adding voice and sound when video chatting and video recording.

8 Headset with headphone and microphone
(SPC505NC only)
For talking and listening to your meeting partner during video chatting.

9 Audio cable *(SPC505NC only)*
Black headphone plug ($\bigcap$) - for connecting to the microphone socket of the pc sound card.
Grey microphone plug (!) - for connecting to the headphone or green socket of the pc sound card.

Contents

Welcome

The Philips SPC500NC/SPC505NC WebCam you have just purchased is manufactured to the highest standards and will give you years of trouble-free use. Brilliant images and blazing colors, that's what you get with the SPC500NC/SPC505NC WebCam. Forget about installing interface cards and separate power supplies, because you don't need them any more. Power is supplied direct to the WebCam through the USB cable and the WebCam returns audio and video straight to your PC!

After installation, the new WebCam can be used for all sorts of applications, such as:
• **Video conferencing**: use the Philips SPC500NC/SPC505NC WebCam for video chatting and conferencing (the Philips SPC500NC/SPC505NC WebCam works with Skype, MSN Messenger, Yahoo! Messenger and AOL Messenger);
• **Video e-mail / Video capture**: create your own video presentations, video mail, product demonstrations, training videos, Internet clips etc.;
• **Snapshot images**: use images in presentations, create postcards, or send them via e-mail or on diskette. The WebCam works with all applications that use the TWAIN interface to acquire an image.
• **Editing and special effects**: after recording the images you want with the Philips SPC500NC/SPC505NC WebCam, the images can be easily edited using image or video editing programs.

The following sections in this manual give a step-by-step description of the installation process and explain how to use the Philips SPC500NC/SPC505NC WebCam.

Please read the following instructions carefully, and retain them for future reference. It may be helpful to have the instructions for use for the PC at hand for reference.

Safety precautions

Observe the following guidelines to ensure that the WebCam will operate safely and to prevent defects.

- Do not use your WebCam in environments outside the following range: temperature: 0°C to 40°C, relative humidity: 45% ~ 85%.
- Do not use or store your WebCam in/under:
  – direct sunlight exposure;
  – very humid and dusty environment;
  – near any kind of heat sources.
- If your WebCam gets wet, dry it with soft cloth as soon as possible.
- If the lens is dirty, Do NOT touch the lens with your fingers.
- Clean the outside of the WebCam with a soft cloth.
- Do NOT use cleaning fluids based on alcohol, methylated spirit, ammonia, etc.
- Do NOT attempt to disassemble or repair your WebCam by yourself. Do not open the WebCam. In the event of technical difficulties return it to your Philips retailer.
- Do NOT use your WebCam in the water.
- Protect the WebCam from oil, vapour, steam, moisture, and dust.
- Never point the WebCam lens at the sun.

Copyright

Installation

Installing the WebCam software

The software supplied only works on PCs with the operating systems Microsoft® Windows® 98SE, ME, 2000 and XP.

Notes!
– Unplug all your USB devices (except USB keyboard and USB mouse) before you start.
– Do not plug in your WebCam yet. Run the Installation CD-ROM first.
– Have your Windows® CD-ROM at hand.

1 Place the installation CD-ROM in your PC's / laptop's CD-ROM / DVD drive.

> *After a couple of seconds the 'Language selection' screen appears automatically.*

Note!
If the 'Language selection' screen does not appear automatically, open the Microsoft® Windows® Explorer and double click on the 'Set-up.exe' icon in the CD-ROM directory.

2 Select your language and click on the '**OK**' button.
> *The following screen appears.*

3 Select at least 'SPC500NC WebCam Driver' and 'Philips VLounge' for SPC500NC WebCam as well as for SPC505NC WebCam (software is the same for both WebCams). Click the '**Next**' button.
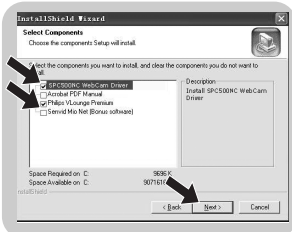
> *The following software license agreement appears.*

4 Click on '**Yes**' to continue the installation.
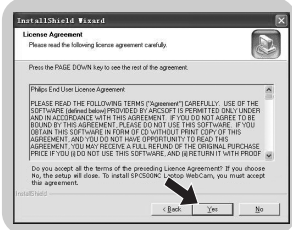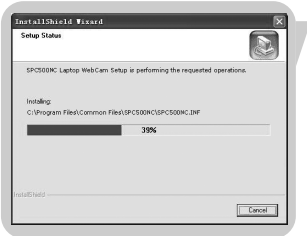
> *The following screen, including a progress bar, appears.*
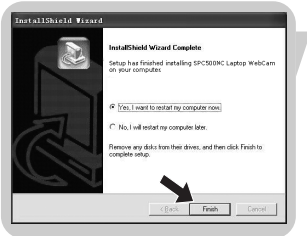
> *The following screen appears when the installation was successful.*

5 Click on '**Finish**'.

6 Restart your PC / laptop when you have finished installing the software.

> *The V(ideo)-Lounge desktop shortcut* 🔵 *will be installed after installation.*

> *Via VLounge you have access to all camera-related software. See 'Using the applications'.*

7 You can now connect your WebCam.

9

Connecting the WebCam to your PC / laptop

General

1 Be sure to run the installation CD first, before connecting the WebCam to the PC / laptop.
2 Turn on the PC / laptop.
3 Connect the USB connector of the USB cable to the USB port of the PC / laptop.
   > The WebCam will now derive its power from the PC / laptop.
4 Use the clamp and the two rubber rims to attach the WebCam to your PC monitor or laptop screen.

SPC500NC WebCam
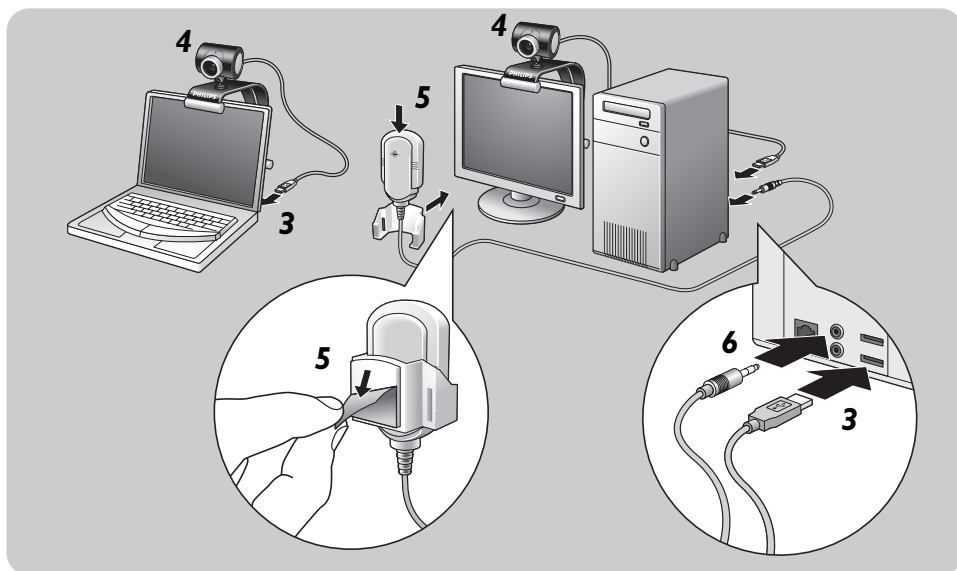
5 Peel off the protective foil on the rear of the microphone *(SPC500NC only)* and attach the microphone to the PC monitor or laptop screen.
6 Connect the microphone plug to the microphone or green socket of the sound card.

SPC505NC WebCam
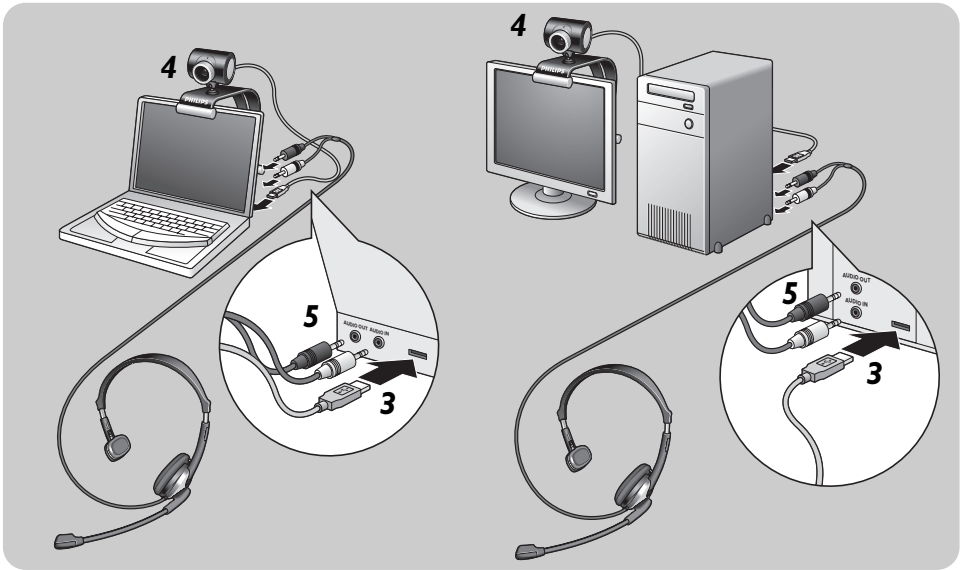
5 Connect the headset audio cable *(SPC505NC only)* to the sound card of your PC / laptop.
  • Connect the black headphone plug (🎧) to the headphone socket of the PC sound card.
  • Connect the grey microphone plug (!) to the microphone or green socket of the sound card.

WebCam settings

The Philips SPC500NC/SPC505NC video property can be changed from within an application, or independently by clicking the VProperty icon 🔊 which can be found in the Windows taskbar bottom right of your screen. Most applications can show a 'live preview' video image on your monitor. Always use this option to see the effect of changed settings on your screen.

General controls
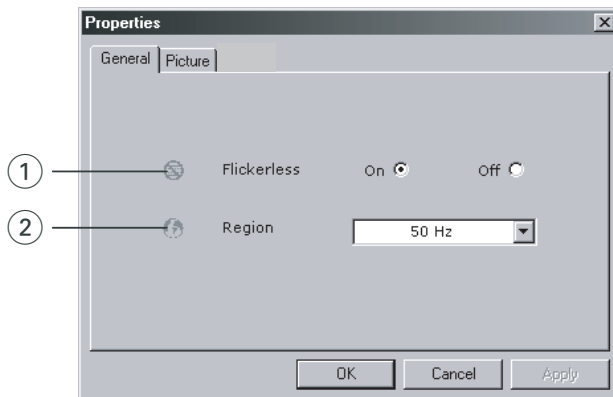
① **Flickerless**

The Flickerless option should only be used under flickering light conditions (e.g. fluorescent or neon lamps) to prevent flickering or strangely colored video images.
If this option is used under normal lighting conditions the video image may be overexposed.

② **Region**

If you are using the Philips SPC500NC/SPC505NC in Europe, select '50 Hz' and if you are using the Philips SPC500NC/SPC505NC in North America, select '60 Hz'. For Asia this setting is dependent on the local mains output. E.g. for China, select '50 Hz' and for Taiwan, select '60 Hz'. For Japan the setting is region dependent.
Please check your local mains output to find the correct 'Region' setting.

Picture controls
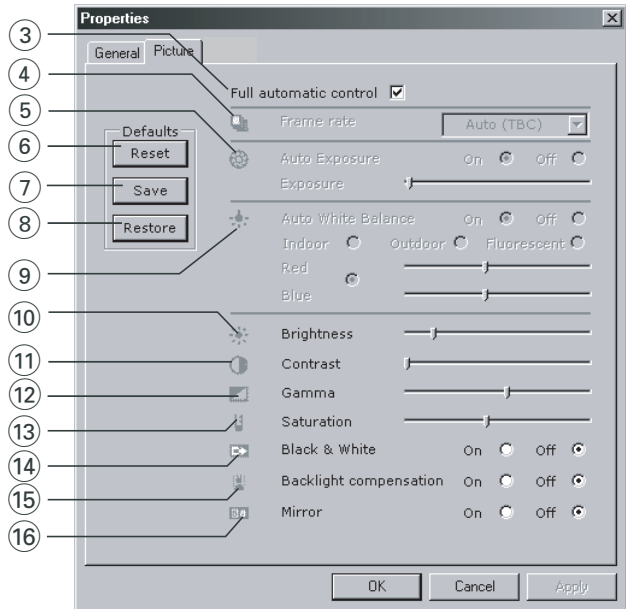
③ **Full automatic control: on/off**
This full automatic control mode provides a very easy way to get the best out of your Philips SPC500NC/SPC505NC WebCam.
Or you can choose to have maximum manual control over the WebCam settings by switching the full automatic control mode off. Full automatic control 'on' is the preferred setting for normal use.

Techniques active within full automatic control mode are:
– *Automatic exposure control* and automatic white balance control, to provide the best video source signal possible;
– *Automatic frame rate selection* for improved WebCam sensitivity in low light conditions.

④ **Frame rate**
You can use the scroll open menu to set the frame rate of the video you wish to capture. E.g. 30 fps means that the WebCam will capture video at 30 frames per second.

WebCam settings

5. **Auto Exposure & Exposure slider**
   The exposure is the amount of light received by the sensor and is determined by how long the sensor is exposed to capture a snapshot or video frame. The result depends on the sensitivity of the sensor. The WebCam will find the optimal setting if you select the automatic exposure option. You can use the exposure slider if you would like to set the WebCam according to your personal preferences.

6. **Reset**
   Press this button if you would like to reset the WebCam settings to the default factory settings.

7. **Save**
   Press this button if you would like to save your personal preferred settings.

8. **Restore**
   Press this button if you would like to restore your personal preferred settings.

9. **Auto White Balance**
   Most light sources are not 100% pure white but have a certain 'color temperature'. Normally our eyes compensate for lighting conditions with different color temperatures. If the automatic white balance is selected, the WebCam will look for a reference point which represents white. It will then calculate all other colors based on this white point and compensate the other colors accordingly, just like the human eye.

   You can also select fixed settings for 'Indoor', 'Outdoor' and 'Fluorescence' conditions or use the 'Red' and 'Blue' sliders if you would like to set the WebCam according to your personal color temperature preferences.

WebCam settings

⑩ **Brightness**
Brightness enables you to adjust the brightness of the displayed image or video to suit your own preference.
Use the slider to find your preferred setting.

⑪ **Contrast**
Contrast enables you to control the ratio between dark and light according to your own preference.
Use the slider to find your preferred setting.

⑫ **Gamma**
Gamma enables you to brighten dark areas within the displayed image or video and visualize more details without over-exposing already light areas.
Use the slider to find your preferred setting.

⑬ **Saturation**
Saturation enables you to set the color reproduction from black and white to a full color image or video according to your own preference.
Use the slider to find your preferred setting.

⑭ **Black and white**
The 'Black and white' checkbox is used to switch from color images to black and white and back.

⑮ **Backlight compensation**
Turn on the backlight compensation to improve the image quality when you have a scene where the background has a high illumination level (for instance when you are sitting in front of a bright light).

⑯ **Mirror**
Clicking the 'Mirror Image' checkbox flips the image horizontally. You can use this feature when you want to use the Philips SPC500NC/SPC505NC and monitor as a mirror, or to take pictures of mirrored images.

VLounge

All applications can be accessed via the Philips V(ideo)-Lounge application. VLounge is the central application for easy access to your Philips WebCam and all image and video applications installed during setup.

• Start VLounge through the Windows QuickLaunch menu in your taskbar, via the program group 'SPC500NC WebCam', or by clicking the VLounge icon 🔟 on the desktop.
  > *The VLounge application will now be initiated and the VLounge selection screen appears.*
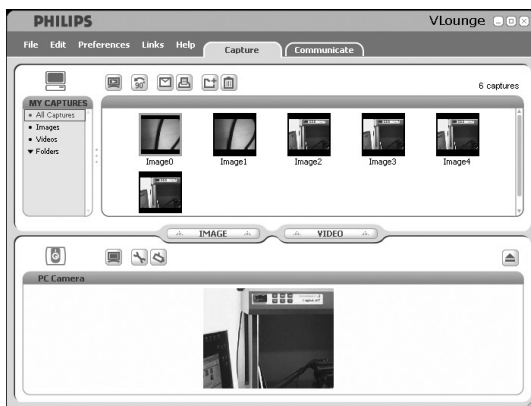
In the 'Capture' menu you can transfer, preview, edit, e-mail, print and organise your photos and video recordings.

Skype

You can download and install Skype via the Skype website:
http://www.skype.com.
Please follow the on-screen instructions during downloading and
installation of Skype.

MSN Messenger

You can download and install MSN Messenger via Microsoft MSN
Messenger websites. In the list below you will find the website
address for your country for downloading MSN Messenger:

Austria - http://messenger.msn.at
Belgium (Dutch) - http://messenger.msn.be
Belgium (French) - http://messenger.fr.msn.be
Denmark - http://messenger.msn.dk
Finland - http://messenger.msn.fi
France - http://messenger.msn.fr
Germany - http://messenger.msn.de
Italy - http://messenger.msn.it
The Netherlands - http://messenger.msn.nl
Norway - http://messenger.msn.no
Portugal - http://messenger.msn.com
Spain: - http://messenger.msn.es
Sweden - http://messenger.msn.se
Swiss (German) - http://messenger.msn.ch
Swiss (French) - http://messenger.fr.msn.ch
United Kingdom - http://messenger.msn.co.uk
USA - http://messenger.msn.com

Please follow the on-screen instructions during downloading and
installation of MSN Messenger.

Yahoo! Messenger

You can download and install Yahoo! Messenger via Yahoo! Messenger websites. In the list below you will find the website address for your country for downloading Yahoo! Messenger:

Austria - http://messenger.yahoo.com
Belgium - http://messenger.yahoo.com
Denmark - http://dk.messenger.yahoo.com/
Finland - http://messenger.yahoo.com
France - http://fr.messenger.yahoo.com/
Germany - http://de.messenger.yahoo.com/
Italy - http://it.messenger.yahoo.com/
The Netherlands - http://messenger.yahoo.com
Norway - http://no.messenger.yahoo.com/
Portugal - http://messenger.yahoo.com
Spain - http://es.messenger.yahoo.com/
Sweden - http://se.messenger.yahoo.com/
Swiss - http://messenger.yahoo.com
United Kingdom - http://uk.messenger.yahoo.com
USA - http://messenger.yahoo.com

Please follow the on-screen instructions during downloading and installation of Yahoo! Messenger.

AOL Instant Messenger

You can download and install AOL Instant Messenger via the America Online website. Please find below the website address for downloading AOL Instant Messenger:

http://www.aim.com/

Please follow the on-screen instructions during downloading and installation of AOL Instant Messenger.

Making snapshots using Windows® XP

You can use Microsoft® Windows® XP to make snapshots with
your Philips SPC500NC/SPC505NC WebCam.

If you need additional support, please refer to the '**Help**' topics of
Microsoft® Windows® XP. Search for '**Get picture**'.

Technical specifications

Sensor ....VGA CMOS

Video resolution (Max.)..VGA (640 x 480)

Image resolution (Max.) ....Super VGA (800 x 600)

Illumination...< 10 lux

Integrated lens ....F=2.8

Data format ....I420, IYUV

Interfacing ....USB 2.0 compatible (1.5 m USB cable)

Microphone..External microphone provided

Power ....Supplied via USB cable

Voltage requirements..5V ($\overline{===}$), 0.5A

Important information

Disclaimer

Philips makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.
Philips assumes no responsibility for any error that may appear in this document. Philips makes no commitment to update nor to keep current the information contained in this document.

FCC compliance

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1 this device may not cause harmful interference, and
2 this device must accept any interference received, including interference that may cause undesired operation.

Note!

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

Any unauthorized modification to this equipment could result in the revocation of the authorization to operate the equipment.

Environmental information

Disposal of your old product
Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

WARNING
Plastic bags can be dangerous. To avoid danger of suffocation, keep this bag away from babies and small children.

System requirements
- Microsoft® Windows® 98SE/2000/ME or XP;
- Pentium® III, 500 Mhz or equivalent;
- 128MB RAM and 100 MB free hard disk space;
- One free USB port and CD-ROM or DVD drive.

Disclaimer of warranty
The software on the CD-ROM supplied is sold 'as is' and without warranties whether expressed or implied. Because of the various software and hardware environments into which this program may be put, no warranty of fitness for a particular purpose is offered.

Limitations of damages
The vendor will not be liable for any indirect, special, incidental or consequential damages (including damages for loss of business, loss of profits, or the like), whether based on breach of contract, tort (including negligence), product liability or otherwise, even if the vendor or its representatives have been advised of the possibility of such damages and even if a remedy set forth herein is found to have failed its essential purpose.

Guarantee certificate
Garantiebewijs
Certificado de garantia
Garantibevis
Certificat de garantie
Certificado de garantia

Εγγύηση
Garantibevis
Garantieschein
Certificato di garanzia
Garanticertifikat
Takuutodistus

Garanti sertifikası
保證書
质保书
保証書

2

year warranty
année garantie
Jahr Garantie
jaar garantie
año garantia
anno garanzia
χρόνσς εγγύηση
år garanti
år garanti

år garanti
vuosi takuu
año garantia
yıl garanti
年保固
年质保
年間保証

Type: **SPC500NC/SPC505NC**

Serial no: _____

Date of purchase - Date de la vente - Verkaufsdatum - Aankoopdatum - Fecha de compra - Date d'acquisto -
Data da adquirição - Ημερομηνία αγοράς - Inköpsdatum - Anskaffelsesdato - Kjøpedato - Oatopäivä -
Satın Alma Tarihi - 購買日期 - 购买日期- お買いげ上日

Dealer's name, address and signature
Nom, adresse et signature du revendeur
Name, Anschrift und Unterschrift des Händlers
Naam, adres en handtekening v.d. handelaar
Nombre, direccion y firma del distribudor
Nome, indirizzo e firma del fornitore
Ονοματεπώνμο, διεύθυνση και υπογραφή του εμπ.
προμηθευτη
Återförsäljarens namn, adress och signatur

Forhandlerens navn, adresse og unterskrift
Forhandlerens navn, adresse og unterskrift
Jälleenmyyjän nimi, osoite ja allekirjoitus
Nome, morada e assinature da loja
Satıcının ismi, adresi ve imzası
經銷商店名、地址以及簽名
销售商名称、地址及签字
販売店名、住所および署名

6 month guarantee on rechargeable batteries
6 mois de garantie sur les piles rechargeables
6 meses de garantía para las pilas recargables
6 Monate Garantie auf wiederaufladbare Batterien
6 maanden garantie op oplaadbare batterijen
Garanzia di 6 mesi sulle batterie ricaricabili
Pilhas recarregáveis com 6 meses de garantia
Εγγύηση 6 μηνών σε επαναφορτιζόμενες μπαταρίες

6 månaders garanti på laddningsbara batterier
6 måneders garanti på genopladelige batterier
6 måneders garanti på de oppladbare batteriene
Ladattavilla akuilla on 6 kuukauden takuu
Tekrar flarj edilebilir piller için 6 ay garanti
充電電池保固 6 個月
充电电池 6 个月质保
充電式電池の 6 ヶ月保証

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Data subject to change without notice

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